

ABSTRACT OF DISCLOSURE

An apparatus and method to find CRC protected data packets by updating a cyclic redundancy checks (CRC) sum calculated from a data stream of CRC protected packets by adding new data while subtracting an effect of old data, and checking the updated CRC sum for a predetermined result. The apparatus includes a m-length memory to store a data stream and an n-length accumulator to accumulate a CRC sum from the data. The apparatus includes a remainder circuit to feedback the data leaving the accumulator to the accumulator based on a predetermined CRC polynomial and a subtraction circuit to remove the effect of data leaving the memory from the accumulator. A CRC sum validation circuit checks the CRC sum for a valid result to indicate that the data packet protected by the CRC is located.